

## **ABSTRACT**

### **SYSTEM FOR AUTOMATIC IDENTIFICATION OF TARGETS**

A method of measurement of proximity of a second contour (CM) to a first contour (CI), comprises for each point of the first contour, a step of association with a point of the second contour determined as the closest, and a step of pairing each point ( $M_{15}$ ) of the second contour with one or zero points of the first contour, by determining the point of the first contour which is closest ( $I_{24}$ ) from among the set of points ( $I_{24}$ ,  $I_{28}$ ,  $I_{29}$ ) of the first contour that are associated with said point of the second contour.

A method of automatic identification of targets applies this proximity measurement process to determine the measure of proximity of a template contour, applied as second contour, to an image contour, applied as first contour.

Figure 3